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NTDB id 600 KW2 RS01765 WP 011675413.1	ETTPGGRALKFYASVRLDVRG	STKIEEGS	.GDNKTQ	IKITKIKVVK	NKVAPPFKVALVDIMF	GEGISSTGELIN	294	
NTDB id 269 KZH43 RS08665 WP 001085462.1	ETTPGGRALKFYASVRLDVRG	NTQIKGTG	.DQKETNVGKETKIKVVK	NKVAPPFKVA	VVEIMYGEGISKTGEL	LK	293	
NTDB id 228 SPD RS09265 WP 001085462.1	ETTPGGRALKFYASVRLDVRG	NTQIKGTG	.DQKETNVGKETKIKVVK	NKVAPPFKVA	VVEIMYGEGISKTGEL	LK	293	
NTDB id 194 SPR RS08825 WP 001085462.1	ETTPGGRALKFYASVRLDVRG	NTQIKGTG	.DQKETNVGKETKIKVVK	NKVAPPFKVA	VVEIMYGEGISKTGEL	LK	293	
NTDB id 159 SP RS09750 WP 001085462.1	ETTPGGRALKFYASVRLDVRG	NTQIKGTG	.DQKETNVGKETKIKVVK	NKVAPPFKVA	VVEIMYGEGISKTGEL	LK	293	
NTDB id 499 SM12261 RS08315 WP 078228268.1	ETTPGGRALKFYASVRLDVRG	STQIKGTG	.DQKDTNVGKETKIKVVK	NKVAPPFKVA	FVEIMYGEGISKTGEL	LK	293	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	ETTPGGRALKFYASVRLDVRG	STQIKGTG	.DQKDTNVGKETKIKVVK	NKVAPPFKVA	FVEIMYGEGISKTGEL	LK	293	
NTDB id 408 SMU RS09530 WP 002262392.1	ETTPGGRALKFYSSVRLDVRG	NTQIKGTG	.EQKDSNIGKETKIKVVK	NKVAPPFKVA	FVEIMYGEGISRTGEL	VK	293	
NTDB id 453 Spy49 1753c ACI62003.1	ETTPGGRALKFYASVRLDVRG	TQIKGTG	.DQKSSIGKETKIKVVK	NKVAPPFKVA	FVEIMYGEGISRTGEL	VK	293	
NTDB id 115 BSU 16940 NP 389576.2	ETTPGGRALKFYSSVRLDVR	RAEQLKQGN	. . . .DVMGNKTKIKVVK	NKVAPPFKTA	EVDIMYGEGISKEGEIID		274	
NTDB id 625 LCA RS02525 WP 011374196.1	EVTPGGRALKFYSTVRLDVR	RAETIKNGT	. . . .DMI	GNRARIKVVKNKVAPPFKVA	EVDIMYGGISRTGELVD		276	
NTDB id 1313 DR RS12030 WP 010888966.1	ETTTGGRALKFYASVRLDVR	IGQ . . . .PTKVG	NDAVANTV	IKTVKNKVAAPPK	VELALVYKGF	QDLSDLVG	289	
NTDB id 418597 SynNOUM97013 RS02265 WP 186480603.1	ETTTGGRALKFYASVRLDVR	RIQT . . . .L.KRG	TEEYGI	RAKVKVAKNKVAPPFR	IAEFDILFGRGISTL	GCLLD	289	
NTDB id 1245 Cj1673c YP 002345041.1	ETTTGGRALKFYASVRLDVR	KVAT . . . .L.KQN	EEPIGNR	VKVVKNKVAPPFR	QAEFDVMFGEGL	SREGELID	276	
NTDB id 1211 C694 RS00795 WP 000963128.1	ETTTGGRALKFYASVRLDVR	RIAS . . . .L.KQN	EQHTGNR	AKVVKNKVAPPFR	EAEFDIMFGEGIS	KEGEIID	278	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	ETTTGGRALKFYASVRLDVR	RIAA . . . .L.KQN	EQHTGNR	AKVVKNKVAPPFR	EAEFDIMFGEGIS	KEGEIID	278	
NTDB id 1334 RA0C RS04870 WP 004918236.1	ETTTGGRALKFYASVRLDVR	SLSDTGKIKDKS	GEVIGNR	TKVVKNKVAPPFK	SAEFDIMYGE	GVSKVGEIID	289	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	ETTTGGRALKFYASVRLDVR	RCGV . . . .V.KDG	DEIIG	SETKVVVK	NKVAPPFR	EVQFDIMYGE	GISRMNELI	292
NTDB id 1130 NGFG RS03960 WP 003688695.1	ETTTGGRALKFYSSVRLDVR	TGS . . . .I.KKG	EEVIGN	TRVKVTKNKVAPPFR	QAEFDILYGE	GISWEGELID	276	
NTDB id 1124 NGFG RS03960 WP 003688695.1	ETTTGGRALKFYSSVRLDVR	TGS . . . .I.KKG	EEVIGN	TRVKVTKNKVAPPFR	QAEFDILYGE	GISWEGELID	276	
NTDB id 1123 OK783 RS03845 WP 003688695.1	ETTTGGRALKFYSSVRLDVR	TGS . . . .I.KKG	EEVIGN	TRVKVTKNKVAPPFR	QAEFDILYGE	GISWEGELID	276	
NTDB id 1427 RS RS02760 WP 011000510.1	ETTTGGRALKFYASVRLDVR	IGS . . . .I.KKG	DEVVGN	ETKVVVK	NKVAPPFR	EAEFDILYGA	GVSRGEIID	284
NTDB id 1165 A1552VC RS01565 WP 000344154.1	ETTTGGRALKFYASVRLDVR	TGA . . . .I.KEG	EEVGN	TRIKVVKNKTA	APPKEANTQIMY	GGFNREGELID	275	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	ETTTGGRALKFYASVRLDVR	TGA . . . .I.KEG	EEVGN	TRIKVVKNKTA	APPKEANTQIMY	GGFNREGELID	275	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	ETTTGGRALKFYASVRLDVR	IGQ . . . .V.KEG	DEIIG	SETKVVVK	NKMAPPFR	EAEFDILYKGY	NQLGELVD	275
NTDB id 1074 ABD1 RS10195 WP 000344167.1	ETTTGGRALKFYASVRLDVR	IGQ . . . .V.KEG	DEIIG	SETKVVVK	NKMAPPFR	EAEFDILYKGY	NQLGELVD	275
NTDB id 1205 PSJM300 05545 AFN77183.1	ETTTGGRALKFYASVRLDVR	TGA . . . .V.KEG	DEVVGN	TRIKVVKNKVAPPFR	QAEFDILYKGY	YRNGEIID	275	
consensus	!*! !! !!!!!*!!**!*!			*	**	*****!*!!!!*!!*!*!	*	*****!*!*!* *



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NTDB id 600 KW2 RS01765 WP 011675413.1	AKAKKEEKAVETEEIELELED.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	..PKKEEA..VNEEVPLDLGDELEIEIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	..PKKEEA..VNEEVPLDLGDELEIEIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	..PKKEEA..VNEEVPLDLGDELEIEIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	..PKKEEA..VNEEVPLDLGDELEIEIEE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	..AAQVDS..VNEEVTLDLGDELEIEIEE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	..VAQVDS..VNEEVTLDLGDELEIEIEE	384
NTDB id 408 SMU RS09530 WP 002262392.1	...ETDEK..ADKNLVLELDDTIELED..	383
NTDB id 453 Spy49 1753c ACI62003.1	...E.....TDDLALDLNGIEIED..	378
NTDB id 115 BSU 16940 NP 389576.2	FE.E.....	348
NTDB id 625 LCA RS02525 WP 011374196.1	ILPDDST.....EE.....	355
NTDB id 1313 DR RS12030 WP 010888966.1	A.....	363
NTDB id 418597 SynNOUM97013 RS02265 WP 186480603.1	TAGKSEAAAASA.KGAA.....	379
NTDB id 1245 Cj1673c YP 002345041.1	.....	343
NTDB id 1211 C694 RS00795 WP 000963128.1	.....	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....	347
NTDB id 1334 RA0C RS04870 WP 004918236.1	.....	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	VEEFSEEEEL.....	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	....PEE.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	....PEE.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	....PEE.....	348
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	FGAVPEEF.....	354
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	LL..ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	LL..LES.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	I.....	347
consensus		

- X non conserved
- X similar
- X ≥ 50% conserved